

# Atmosphere Investigation

## Clouds 1-Measurement Data Sheet

School Name: \_\_\_\_\_

Observer names: \_\_\_\_\_

Date: Year \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Study Site: ATM- \_\_\_\_\_

Local Time (hour:min): \_\_\_\_\_ Universal Time (hour:min): \_\_\_\_\_

### Cloud Type

#### High (in the sky):

(Check all types seen)



☐ Cirrus



☐ Cirrocumulus



☐ Cirrostratus

#### Middle (of the sky):

(Check all types seen)



☐ Altostratus



☐ Altocumulus

#### Low (in the sky):

(Check all types seen)



☐ Stratus



☐ Stratocumulus



☐ Cumulus

#### Rain or Snow Producing Clouds:

(Check all types seen)

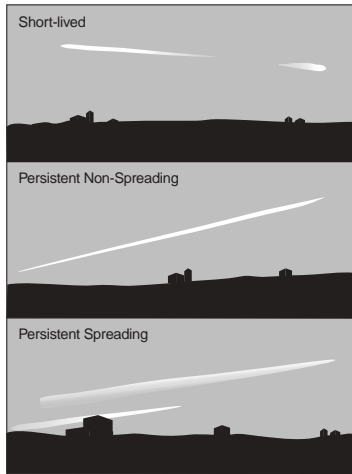


☐ Nimbostratus



☐ Cumulonimbus

**Contrail Type** (Record the number of each type observed)



**Short-lived Contrails**  
How many do you see? \_\_\_\_\_

**Persistent Non-Spreading Contrails**  
How many do you see? \_\_\_\_\_

**Persistent Spreading Contrails**  
How many do you see? \_\_\_\_\_

**Three-quarters or More of the Sky is Visible:**

**Cloud Cover** (Check One)



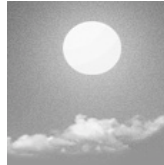
**No Clouds**

☐ 0%-No Clouds



**Clear**

☐ <10% Clouds



**Isolated**

☐ 10-25% Clouds



**Scattered**

☐ 25-50% Clouds



**Broken**

☐ 50-90% Clouds



**Overcast**

☐ >90%

**Contrail Cover** (Check one)

☐ No Contrails (0%)

☐ 0-10%

☐ 10-25%

☐ 25-50%

☐ >50%

**View of more than one-quarter or more of the sky is blocked: Obscured** ☐ Check here



**Why is the view of the sky blocked?** (Check all that apply)



☐ Blowing Snow



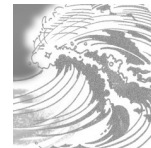
☐ Heavy Snow



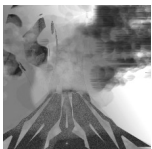
☐ Heavy Rain



☐ Fog



☐ Spray



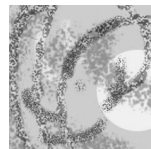
☐ Volcanic Ash



☐ Smoke



☐ Dust



☐ Sand



☐ Haze

Comments: \_\_\_\_\_